



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

TECH CENTER 1600/2900

Filed: September 24, 1998: THERAPEUTIC AND DIAGNOSTIC COMPOSITIONS marked attachments are the United States Postal mail in an envelope add Commissioner for Patent 20231, on May 17, 20 (Date	Applicant	: Panaccio, et al.) Group Art Unit 1645
Filed : September 24, 1998) the United States Postal mail in an envelope add Commissioner for Patent 20231, on For : THERAPEUTIC AND DIAGNOSTIC (Date Daniel E. Altman, Region)	Appl. No.	: 09/077.574) I hereby certify that this correspondence and all
DIAGNOSTIC COMPOSITIONS Daniel E. Altman, Regin	**	, <i>*</i>	marked attachments are being deposited with the United States Postal Service as first-class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231, on
Examiner : S. Devi, Ph.D.	For	DIAGNOSTIC	May 17, 2001 (Date) (Date) (Daniel E. Altman, Registration No. 34,115
	Examiner	: S. Devi, Ph.D.)

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RESPONSE

TO

RESTRICTION REQUIREMENT

Assistant Commissioner for Patents

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Washington, D.C. 20231

Dear Sir:

In response to the Restriction Requirement of December 18, 2000 (Paper No. 13), please amend the above-captioned patent application as follows:

IN THE CLAIMS

Please cancel Claims 77 and 91.

Please amend Claims 10, 12, 41, and 43, to read as follows:

(Three Times Amended) A vaccine composition for administration to an animal 10. comprising an immunologically effective amount of a polypeptide that comprises the amino acid sequence of SEQ ID NO:2 and a pharmaceutically acceptable carrier.

(Three Times Amended) The vaceine composition of claim 10 wherein the polypeptide of claim 10 wherein the polypeptide is encoded by nucleic acid comprising SEQ ID NO: 1.

(Twice Amended) A method of vaccinating an animal against infection by L. intracellularis or related microorganism or treating an animal infected by L.